IN THE CLAIMS:

Amend the claims to read as indicated below.

1. (currently amended) An ultrasonic diagnostic imaging system ~~including~~ comprising:

a main body housing imaging electronics and a control panel coupled to the imaging electronics ~~comprising:~~;

a flat panel display electrically coupled to the imaging electronics;

a wheeled cart on which is mounted the main body and the flat panel display with the control panel on the front, the wheeled cart being adapted so that the cart can travel in the front direction; and

an articulating arm assembly to which the flat panel display is connected for adjusting the ~~viewing~~ elevation and lateral position of the flat panel display with respect to the main body, the articulating arm assembly including a first arm movably mounted to the main body and a second arm movably connected to the first arm and to the flat panel display, wherein at least one of the arms includes a 4-bar linkage containing a piston inside the linkage; and

an inter-arm locking mechanism, located on the first and second arms, which is adapted to lock the two arms together in a stowed position when the two arms are lowered in line with the direction of travel.

2. (canceled)

3. (original) The ultrasonic diagnostic imaging system of Claim 1, wherein the second arm includes a 4-bar linkage.

4. (original) The ultrasonic diagnostic imaging system of Claim 3, wherein the 4-bar linkage includes first and

second pivot axes located at an end of the second arm which is connected to the first arm, and third and fourth pivot axes located at an end of the second arm which is connected to the flat panel display.

5. (canceled)

6. (currently amended) The ultrasonic diagnostic imaging system of Claim ~~5~~1, wherein the locking mechanism further comprises a user-operated lock release which is operated to cause the locking of the two arms to be released.

7. (original) The ultrasonic diagnostic imaging system of Claim 1, wherein the articulating arm assembly further includes a first vertical pivot axis located at an end of the first arm which is movably mounted to the first body, and a second vertical pivot axis located at an end of the first arm which is connected to the second arm.

8. (original) The ultrasonic diagnostic imaging system of Claim 7, wherein the articulating arm assembly further includes a third vertical pivot axis located at an end of the second arm which is connected to the flat panel display, and a horizontal pivot axis located at the end of the second arm which is connected to the flat panel display.

9. (original) The ultrasonic diagnostic imaging system of Claim 7, wherein the arc of travel of the first arm about the first vertical pivot axis is constrained to be less than 360°, and wherein the arc of travel of the second arm about the second vertical axis is constrained to be less than 360°.

10. (currently amended) The ultrasonic diagnostic imaging system of Claim 1, wherein the second arm includes a

4-bar linkage, and wherein the ~~second arm~~piston further ~~includes~~comprises:

a pneumatic piston which acts to provide a force which at least partially offsets the weight of the flat panel display.

11. (original) The ultrasonic diagnostic imaging system of Claim 10, further comprising an adjustment mechanism, coupled to the pneumatic piston, which is operable to adjust the force provided by the pneumatic piston.

12. (original) The ultrasonic diagnostic imaging system of Claim 11, wherein the pneumatic piston is adjusted to provide a balancing counter-weight force when the second arm is oriented in a horizontal orientation.

13. (original) The ultrasonic diagnostic imaging system of Claim 1, wherein the first arm exhibits a fixed upward inclination from an end which is connected to the main body to a second end which is elevated above the connection to the main body, and the second arm includes a 4-bar linkage.

14. (original) The ultrasonic diagnostic imaging system of Claim 3, wherein the 4-bar linkage includes first and second upper bars coupled between the first and third pivot axes and third and fourth lower bars coupled between the second and fourth pivot axes,

wherein the first bar is rigidly connected to the second bar and the third bar is rigidly connected to the fourth bar.

15. - 20. (canceled)